WHAT IS CLAIMED IS:

A projection electrode comprising: an electrode section for making contact with a corresponding testing target electrode; and

one or a plurality of bumps formed on a surface of this electrode section and having a pointed end or ends.

- A projection electrode according to claim 1, wherein the bump has a pointed tapering end in vertical cross-section.
- 3. A projection electrode according to claim 1, wherein the bump has a pointed tapering end in vertical cross-section and a ridge-like configuration.
- A method for forming a projection electrode, comprising the steps of:

forming an electrode pattern on a wiring board; forming a mask pattern for masking a non-etching portion including a portion forming a tapering bump of the electrode pattern formed at this step;

etching the electrode pattern with the mask pattern formed by this step and forming the tapering bump; and

eliminating the mask pattern.

5. A method according to claim 4, further comprising the step of forming a plated layer by a plating process on the mask pattern-eliminated electrode pattern.

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- 6. A method according to claim 4, wherein the step of forming a tapering bump comprising a wet etching step utilizing a corrosion action of an etching solution from around the mask pattern.
- 7. A method according to claim 6, further comprising the step of forming a plated layer by a plating process on the mask pattern-eliminated electrode pattern.
 - 8. An apparatus for testing an electronic component, comprising:

an electrode section set in contact with a testing target electrode;

one or a plurality of bumps formed on a surface of the electrode section and having a pointed end;

a wiring pattern connected to the bump or bumps; and

a testing apparatus body connected to the wiring pattern.

- 9. An apparatus according to claim 8, wherein the bump has a pointed tapering end in vertical cross-section.
 - 10. An apparatus according to claim 8, wherein the bump has a pointed tapering end in vertical cross-section and a ridge-like configuration.
- 25 11. A projection electrode formed in a specific pattern on a wiring board, said projection electrode comprising:

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a projection formed of an insulating layer and having a cross section shaped like a mountain having a pointed peak; and

at least one bump provided on the projection and formed of a metal layer.

- 12. The projection electrode according to claim 11, wherein the insulating layer is made of a material selected from the group consisting of polyimide-based resin and epoxy-based resin.
- 13. The projection electrode according to claim 11, wherein the metal layer is made of a metal selected from the group consisting of Cu, Ni, Ag, Au, Cr, Pt, Rh and Pd.
 - 14. The projection electrode according to claim 11, wherein the projection is formed by etching the insulating layer.
 - 15. The projection electrode according to claim 11, wherein the projection is formed by applying a laser beam to the insulating layer.
- 20 16. The projection electrode according to claim 11, wherein the projection is formed by means of stamping.
 - 17. The projection electrode according to claim 11, wherein the metal layer is formed by physical vapor deposition or a combination of plating and etching.
 - 18. The projection electrode according to

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claim 11, wherein the metal layer comprises a plurality of layers formed one upon another.

19. A method for forming a projection electrode in a specific pattern on a wiring board and having at least one bump which has a cross section shaped like a mountain having a pointed peak, said method comprising the steps of:

processing an insulating layer, thereby forming a projection having a cross section shaped like a mountain;

forming a metal layer on the projection formed of the insulating layer; and

removing a part of the metal layer.

- 20. The method according to claim 19, wherein the step of processing an insulating layer is a step of performing isotropic etching on the insulating layer.
- 21. The method according to claim 19, wherein the step of processing an insulating layer is a step of applying a laser beam to the insulating layer.
- 22. The method according to claim 19, wherein the step of processing an insulating layer is a step of pressing a stamper onto the insulating layer before the insulating layer is hardened completely, said stamper having a groove identical in shape to the projection.
- 23. The method according to claim 19, wherein the step of forming the metal layer is a step of performing physical vapor deposition or a combination of plating

and etching, thereby to form a metal layer in a prescribed pattern.

- 24. A testing apparatus for testing electronic components, said apparatus comprising:
 - a wiring board having; and

a projection electrode which is formed on the wiring board, which is to contact an electrode of an electronic component and which comprises:

a projection formed of an insulating layer and having a cross section shaped like a mountain having a pointed peak; and

at least one bump provided on the projection and formed of a metal layer.

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